

**Notice of Allowability**

Application No.

10/724,879

Examiner

VAN H. NGUYEN

Applicant(s)

ZHANG ET AL.

Art Unit

2194

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 12/20/2007 and the telephonic interview on 03/11/2008.
2. ☒ The allowed claim(s) is/are 1 and 4-9 (now renumbered as 1-7).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 5. <input type="checkbox"/> Notice of Informal Patent Application                                 |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|  | 9. <input type="checkbox"/> Other _____.  |

**DETAILED ACTION**

1. This communication is responsive to the amendment filed 12/20/2007 and the telephonic interview on 03/11/2008.

Claims 1 and 4-9 are pending in this application. Claims 1 and 4-9 have been examined and allowed.

2. **EXAMINER'S AMENDMENT:**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Clyde R Christofferson (Registration No. 34,138) on 03/11/2008.

**The application has been amended as follows:**

**In the Claims:**

**This listing of claims will replace all prior versions, and listings, of claims in the application:**

1. (currently amended) A method for executing an integration activity chain for on demand business process integration comprising the steps of:

receiving the integration activity's properties in a data string for execution from an event bus;

parsing events from the received data string, said data string optionally including an annotation specifying an action for integration;

controlling integration activity execution through consulting an on demand business collaboration ontology and an access control utility;

coordinating with an exception handler when there is a business exception which comes from integrated applications; and

performing integration activity execution by invoking an adaptation layer implementation,

wherein if said action is a new integration activity said adaptation layer implementation is responsive to said action specified by said annotation[.].

wherein the integration activity chain represents a set of integration activities in a pre-defined manner, and

wherein the pre-defined manner is represented in a work flow document.

2-3. (canceled)

4. (previously presented) The method for executing an integration activity chain for on demand business process integration recited in claim 1, wherein the integration activity chain represents a set of non-deterministic activities triggered by manual operation or by program code automatically in a multi-step manner.

5. (previously presented) The method for executing an integration activity chain for on demand business process integration recited in claim 1, wherein the event bus comprises one of an XML string, plain text, binary data stream, or graphic user interface events.

6. (currently amended) The method for executing an integration activity chain for on demand business process integration recited in claim 1, wherein said integration activity's properties comprise one or more of the integration activity's name, description of the integration activity, scheduled execution script, pre-integration activity, post-integration activity, and execution channel.

7. (currently amended) The method for executing an integration activity chain for on demand business process integration recited in claim 1, wherein said adaptation ~~layers~~ layer implementation include includes adaptation components associated with business applications.

8. (previously presented) The method for executing an integration activity chain for on demand business process integration recited in claim 7, wherein said business applications include Reliable File Transfer Protocol (RFTP).

9. (previously presented) The method for executing an integration activity chain for on demand business process integration recited in claim 7, wherein said business applications include File Transfer Protocol (FTP).

10-20. (canceled)

3. **REASONS FOR ALLOWANCE:**

Claims 1 and 4-9 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art does not expressly teach or render obvious the invention as recited in independent claim 1.

The features as recited in independent claim 1 "*controlling integration activity execution through consulting an on demand business collaboration ontology and an access control utility; coordinating with an exception handler when there is a business exception which*

*comes from integrated applications; and performing integration activity execution by invoking an adaptation layer implementation, wherein if said action is a new integration activity said adaptation layer implementation is responsive to said action specified by said annotation, wherein the integration activity chain represents a set of integration activities in a pre-defined manner, and wherein the pre-defined manner is represented in a work flow document”,* when taken in the context of the claims as a whole, was not uncovered in the prior art teachings.

Dependent claims are allowed as they depend upon allowable independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

#### 4. **ADDITIONAL REFERENCES**

The Examiner as of general interest cites the following references:

U.S. Pat. No. 7269795

U.S. Pat. No. 7257820

U.S. Pat. No. 7257818

U.S. Pat. No. 6389588

## **CONTACT INFORMATION**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MENG-AI AN can be reached at (571) 272-3756.

The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

**/VAN H NGUYEN/**

**Primary Examiner, Art Unit 2194**

Application/Control Number: 10/724,879  
Art Unit: 2194

Page 8